

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 60546 - L2 Version 3  
Chandra X-Ray Center

L2 Processing Date : Nov 4 2012

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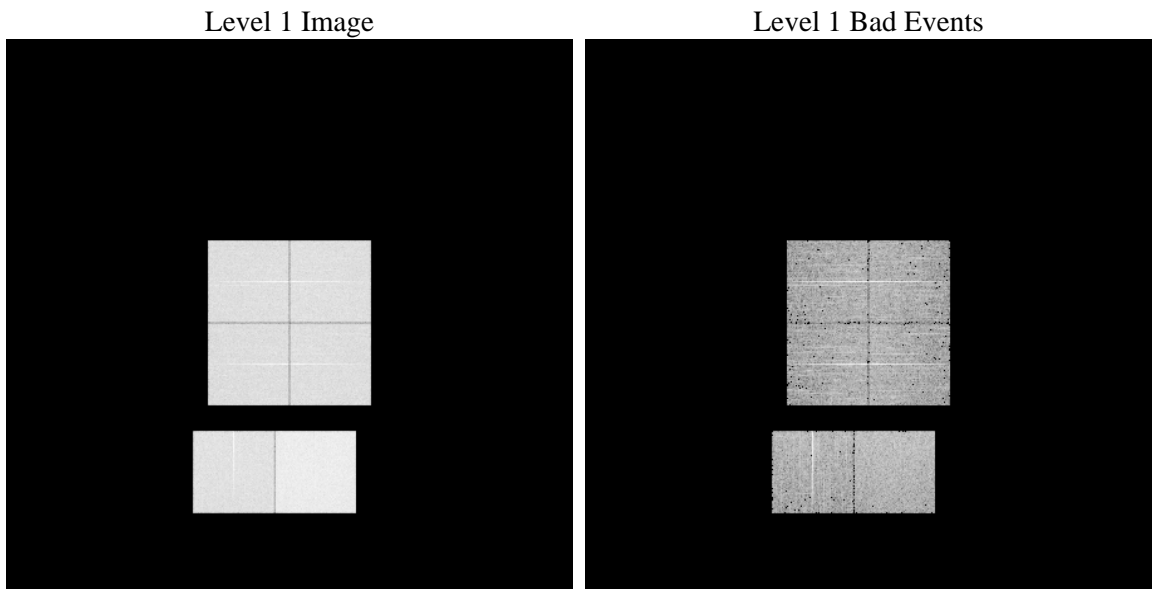
# 1 Front

seq_num	&#160	Sequence number
obs_id	60546	Observation id
title	ACIS-012367 diagnostics	Proposal title
observer	CHANDRA engineering request/realtime commanding	Principal investig
object	&#160	Source name
dtycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	0.0	Observer's specified target RA [deg]
dec_targ	0.0	Observer's specified target Dec [deg]
ra_nom	337.80242663276	Nominal RA [deg]
dec_nom	12.57146166187	Nominal Dec [deg]
roll_nom	241.96552156664	Nominal Roll [deg]
revision	3	Processing version of data
ontime	7525.5084791183	Sum of GTIs [s]
livetime	7430.2159594386	Livetime [s]
ontime0	4773.8840344846	Sum of GTIs [s]
ontime1	4939.1331748068	Sum of GTIs [s]
ontime2	4585.8248822987	Sum of GTIs [s]
ontime3	4689.7576828003	Sum of GTIs [s]
ontime6	5075.4346983135	Sum of GTIs [s]
ontime7	7525.5084791183	Sum of GTIs [s]
l2events	1115242	Number of level 2 events

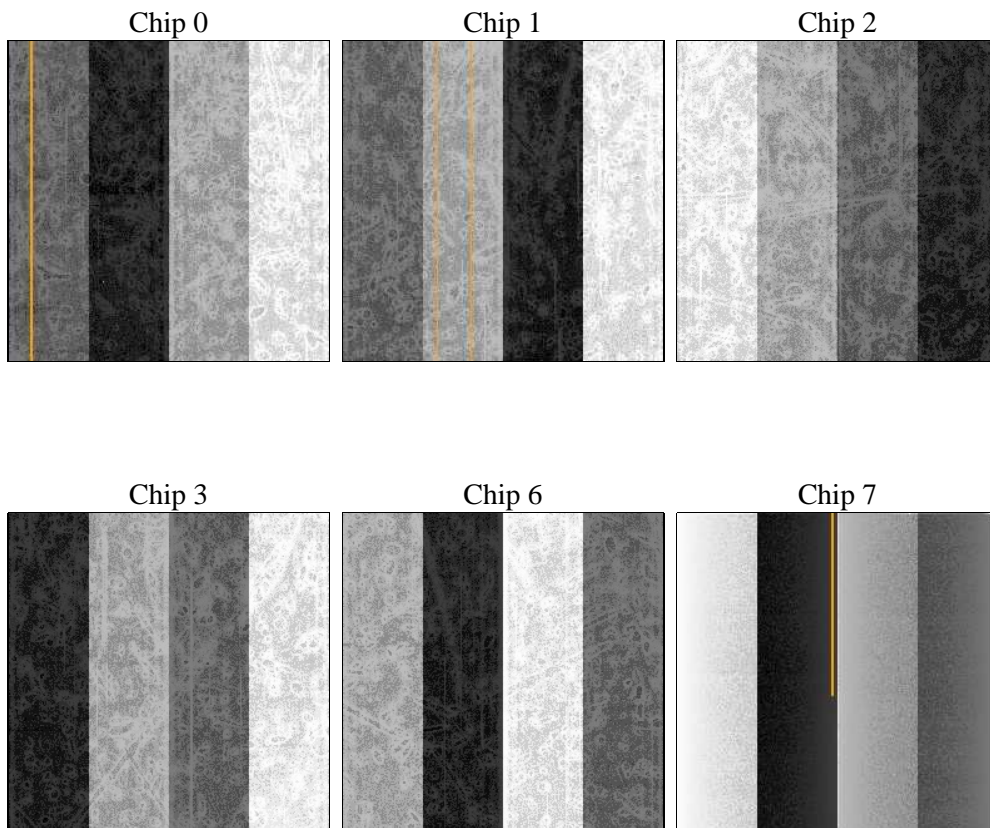
## 2 OBI

### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias



### 2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	0.0	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	7525.5084791183	Sum of GTIs [s]
caldsver	4.5.2	&#160	ontime0	4773.8840344846	Sum of GTIs [s]
date	2012-11-04T14:52:49	Date and time of file creation	ontime1	4939.1331748068	Sum of GTIs [s]
revision	3	Processing version of data	ontime2	4585.8248822987	Sum of GTIs [s]
			ontime3	4689.7576828003	Sum of GTIs [s]
			ontime6	5075.4346983135	Sum of GTIs [s]
			ontime7	7525.5084791183	Sum of GTIs [s]
			l1events	1371111	Number of level 1 events

### 2.1.4 Events

	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	204334	210127	198521	203092	225978	329059	grade 0 events	95571	97743	93606	95952	104289	72090
rejected events	31577	31828	31895	32563	34875	40558		46%	46%	47%	47%	46%	21%
rejected %	15%	15%	16%	16%	15%	12%	grade 1 events	515	458	547	557	486	200
								0%	0%	0%	0%	0%	0%
							grade 2 events	30036	31744	28024	29165	32748	63484
								14%	15%	14%	14%	14%	19%
							grade 3 events	11066	11253	10928	11121	11894	29133
								5%	5%	5%	5%	5%	8%
							grade 4 events	11271	11302	11003	11097	12147	28830
								5%	5%	5%	5%	5%	8%
							grade 5 events	2153	2148	1998	2280	2399	7661
								1%	1%	1%	1%	1%	2%
							grade 6 events	24813	26257	23065	23194	30025	94964
								12%	12%	11%	11%	13%	28%
							grade 7 events	28909	29222	29350	29726	31990	32697
								14%	13%	14%	14%	14%	9%

## 2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	On-chip summing requested	N	N
Observation mode	SECONDARY	SECONDARY	Subarray requested	NONE	NONE
[deg] Pointing RA	0	337.802426632757	Alternating exposures requested	N	N
[deg] Pointing Dec	0	12.57146166187029	[s] Primary exposure time	0.000000	3.2
[deg] Pointing Roll	0.0	241.9655215666399			
[mm] SIM focus pos	-0.782348	-1.038866356238299			
[mm] SIM defocus	0	0.4944702831659975			
[mm] SIM translation stage pos	-233.592463	250.466033080201			
[mm] SIM translation stage offset	0	-0.01005468664627074			
[s] Observation start time (MET)	180708078.213649	180708077.18893			
Observation start date	2003-09-23T12:41:18	2003-09-23T12:41:17			
[s] Observation end time (MET)	180718713.614105	180718712.58938			
Observation end date	2003-09-23T15:38:34	2003-09-23T15:38:32			
Read mode	TIMED	TIMED			

## **2.3 Star Slots**

## **2.4 FID Slots**

## A Summary

### A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.12.07
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	7.5255084791183

### A.2 Comments